

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Li LI et al.)	
)	
Continuation of:)	<u>PRIOR APPLICATION</u>
Serial No.: 08/982,311)	
Filed: December 1, 1997)	Group Art: 2663
)	
Filed: Herewith)	Examiner: S. Hyun
)	
For: METHOD AND APPARATUS)	
FOR ATM ADDRESS)	
RESOLUTION)	

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Prior to examination, please amend this application as follows:

IN THE CLAIMS:

Please add new claims 35-64 as follows:

--35. A method for routing a call in a communications network, the communications network having a first ATM network interconnected to a second ATM network, each network having an addressing format, the addressing format of the first network being different from the addressing format of the second network, the first network handling a call having an associated signaling message specifying a destination address, the method comprising:

translating the destination address into a local address in the addressing format of the first ATM network;
storing the destination address;
routing the call through the first ATM network using the local address; and

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associating the call with the stored destination address.

36. The method of claim 35, wherein said storing further comprises pushing the destination address on to a stack.

37. The method of claim 36, wherein said stack is a last in first out stack.

38. The method of claim 36, further comprising:
removing the destination address from the stack.

39. The method of claim 38, further comprising:
repacking the signaling message with the removed destination address.

40. The method of claim 35 further comprising:
carrying the destination address transparently across the first ATM network.

41. The method of claim 35, further comprising:
determining an additional local address in the addressing format of a third ATM network.

42. The method of claim 41, further comprising:
repacking the signaling message with the additional local address; and
routing the call through the third ATM network using the additional local address,
wherein the destination address is transparently carried through the third network.

43. The method of claim 38 further comprising:
popping the local address off the stack.

44. The method of claim 35 wherein said step of translating occurs at the egress side of the first network.

45. An apparatus for routing a call in a communications network, the communications network having a first ATM network interconnected to a second ATM network, each network having an addressing format, the addressing format of the first network being different from the addressing format of the second network, the first network handling a call having an associated signaling message specifying a destination address, the apparatus comprising:

an address resolution server for translating the destination address into a local address in the addressing format of the first ATM network;
means for storing the destination address;
means for routing the call through the first ATM network using the local address;
and
means for associating the call with the stored destination address.

46. The apparatus of claim 45, wherein said means for storing further comprises means for pushing the destination address on to a stack.

47. The apparatus of claim 46, wherein said stack is a last in first out stack.

48. The apparatus of claim 46, further comprising:
means for removing the destination address from the stack.

49. The apparatus of claim 48, further comprising:
means for repacking the signaling message with the removed destination address.

50. The apparatus of claim 45 further comprising:
means for carrying the destination address transparently across the first ATM network.

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51. The apparatus of claim 45, further comprising:
means for determining an additional local address in the addressing format of a third ATM network.

52. The apparatus of claim 41, further comprising:
means for repacking the signaling message with the additional local address;
and
means for routing the call through the third ATM network using the additional local address, wherein the destination address is transparently carried through the third network.

53. The apparatus of claim 48 further comprising:
means for popping the local address off the stack.

54. The apparatus of claim 45 wherein said address resolution server translates at the egress side of the first network.

55. A communications network, comprising:
a first ATM network interconnected to a second ATM network, each network having an addressing format, the addressing format of the first network being different from the addressing format of the second network, the first network handling a call having an associated signaling message specifying a destination address;
an address resolution server for translating the destination address into a local address in the addressing format of the first ATM network;
means for storing the destination address;
means for routing the call through the first ATM network using the local address;
and
means for associating the call with the stored destination address.

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56. The communications network of claim 55, wherein said means for storing further comprises means for pushing the destination address on to a stack.

57. The communications network of claim 56, wherein said stack is a last in first out stack.

58. The communications network of claim 56, further comprising:
means for removing the destination address from the stack.

59. The communications network of claim 58, further comprising:
means for repacking the signaling message with the removed destination address.

60. The communications network of claim 55 further comprising:
means for carrying the destination address transparently across the first ATM network.

61. The communications network of claim 55, further comprising:
means for determining an additional local address in the addressing format of a third ATM network.

62. The communications network of claim 61, further comprising:
means for repacking the signaling message with the additional local address;
and
means for routing the call through the third ATM network using the additional local address, wherein the destination address is transparently carried through the third network.

63. The communications network of claim 58 further comprising:
means for popping the local address off the stack.

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64. The communications network of claim 55 wherein said address resolution server translates at the egress side of the first network.--

REMARKS

By this amendment, Applicants add new claims 35-64 to more fully claim the subject matter to which the Applicants are entitled. Applicants request entry of this Preliminary Amendment before examination and timely allowance of the pending claims.

Please grant any extensions of time required to enter this response and charge any additional required fees to our deposit account 06-0916.

Respectfully submitted,

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By: 

Pedro F. Suarez
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Dated: April 12, 2001

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